

In the Claims

1. (Currently Amended) In a communications system having a checkpoint server and a router, said router having a router server, a method for reconstructing separate but interrelated data comprising:

determining whether there has been a new connection ~~having a corresponding base layer~~ established through said router;

if there is a new connection through said router, creating a unique connection identifier for said new connection;

~~if there is a new connection through said router, creating a unique connection identifier for said new connection;~~

storing ~~said~~ checkpointing data within said checkpoint server wherein said checkpointing data ~~consists of~~ comprises connection information including said corresponding base layer and said unique connection identifier;

determining whether there has been a change of state for an existing connection running on said router; and

Storing ~~said checkpointing~~ relevant data corresponding with said change of state of said existing connection in said checkpoint server responsive to a determination of said change of state in said existing connection wherein ~~said checkpointing data consists of~~ relevant data comprises connection

information and includes said unique connection identifier for use in re-establishing said connection.

2. (Cancelled)

3. (Currently Amended) The method of claim 1, further comprising the acts of:

determining whether there is ~~checkpointing~~ data available within said
checkpoint server for a firewall application; and

recovering said ~~checkpointing~~ data by said firewall application from said
checkpoint server if there is data available within said checkpoint server for
said firewall application.

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Currently Amended) A program storage device, tangibly embodying a program of instructions executable by a machine to perform a method for reconstructing separate but interrelated data, said method comprising:

determining whether there has been a new connection ~~having a corresponding~~
~~base layer~~ established through said router;

if there is a new connection through said router, creating a unique connection
identifier for said new connection;

storing checkpointing data in said checkpoint server wherein said
checkpointing data consists of data regarding said new connection and
includes said corresponding base layer with said unique connection
identifier;

determining whether there has been a change of state for an existing
connection running on said router; and

Storing ~~checkpointing~~ relevant data corresponding with said change of state of
said existing connection to said checkpoint server responsive to a
determination of said change of state in said existing connection wherein
said ~~checkpointing~~ relevant data ~~consists of~~ comprises connection
information and ~~data~~ includes said unique connection identifier for use in
re-establishing said connection.

10. (Cancelled)

11. (Currently Amended) The program storage device of claim 9, further comprising the acts of:

determining whether there is ~~checkpointing~~ data available within said

checkpoint server for a firewall application; and

recovering said data by said firewall application from said checkpoint server if

there is data available within said checkpoint server for said firewall

application.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)